Commands SHELL

bash

Description: bash is a command language interpreter. It is widely available on various operating systems and is a default command interpreter on most GNU/Linux systems. The name is an acronym for the 'Bourne-Again SHell'.

Options:

- `-c` string: Read and execute the commands in the string argument.
- `-i`: Start an interactive shell session.
- `-l`: Make bash act as if it had been invoked as a login shell.
- `-r`: Make bash act as if it had been invoked as a restricted shell.
- `-s`: Read commands from the standard input.
- `-D`: A list of all double-quoted strings preceded by $ is printed on the standard output.

```
bash
```

cat

Description: cat is a standard Unix utility that reads files sequentially, writing them to standard output. The name is derived from its function to concatenate files.

Options:

- `-A`, `--show-all`: Equivalent to -vET.
- `-b`, `--number-nonblank`: Number all nonempty output lines, starting with 1.
- `-e`: Equivalent to -vE.
- `-E`, `--show-ends`: Display a $ after the end of each line.
- `-n`, `--number`: Number all output lines, starting with 1.
- `-s`, `--squeeze-blank`: Suppress repeated empty output lines.
- `-t`: Equivalent to -vT.
- `-T`, `--show-tabs`: Display TAB characters as ^I.
- `-u`: Disable output buffering.
- `-v`, `--show-nonprinting`: Display control characters.

```
cat
```

cd

Description: cd is a command-line utility for changing the current working directory in operating systems.

Options:

- `-L`: Force symbolic links to be followed.
- `-P`: Use the physical directory structure without following symbolic links.

```
cd
```

chmod

Description: chmod is a command in Unix and Unix-like operating systems that allows to change the file mode bits of files and directories.

Options:

- `-c`, `--changes`: Like verbose but report only when a change is made.
- `-f`, `--silent`, `--quiet`: Suppress most error messages.
- `-v`, `--verbose`: Output a diagnostic for every file processed.
- `-R`, `--recursive`: Change files and directories recursively.

octal mode:

- `0`: No permission.
- `1`: Execute permission.
- `2`: Write permission.
- `3`: Write and execute permissions.
- `4`: Read permission.
- `5`: Read and execute permissions.
- `6`: Read and write permissions.
- `7`: Read, write, and execute permissions.

user: `u`, group: `g`, others: `o`, all: `a`. calculate the octal mode by adding the permissions for each user type.

example:

- `chmod 700 file.txt` -> *user:* read, write, execute; *group:* no permission; *others:* no permission.
- `chmod 755 file.txt` -> *user:* read, write, execute; *group:* read, execute; *others:* read, execute.
- `chmod 644 file.txt` -> *user:* read, write; *group:* read; *others:* read.

example of using the symbolic mode:

- `chmod u+x file.txt` -> add execute permission to the user.
- `chmod g-w file.txt` -> remove write permission from the group.
- `chmod o=r file.txt` -> set read permission to others.
- `chmod a=rwx file.txt` -> set read, write, and execute permissions to all.

chown

Description: chown is a command-line utility that changes the user and/or group ownership of a file or directory.

Options:

- `-c`, `--changes`: Like verbose but report only when a change is made.
- `-f`, `--silent`, `--quiet`: Suppress most error messages.
- `-v`, `--verbose`: Output a diagnostic for every file processed.
- `-R`, `--recursive`: Change files and directories recursively.

example:

- `chown user:group file.txt`: change the user and group ownership of the file.
- `chown user file.txt`: change the user ownership of the file.
- `chown :group file.txt`: change the group ownership of the file.

```
chown
```

chgrp

Description: chgrp is a command-line utility that changes the group ownership of a file or directory.

Options:

- `-c`, `--changes`: Like verbose but report only when a change is made.
- `-f`, `--silent`, `--quiet`: Suppress most error messages.
- `-v`, `--verbose`: Output a diagnostic for every file processed.
- `-R`, `--recursive`: Change files and directories recursively.

example:

- `chgrp group file.txt`: change the group ownership of the file.

```
chgrp
```

clear

Description: clear is a command-line utility that clears the terminal screen.

```
clear
```

cp

Description: cp is a command-line utility for copying files and directories.

Options:

- `-a`, `--archive`: Preserve as much as possible of the structure and attributes of the original files in the copy.
- `-b`, `--backup`: Make a backup of each existing destination file.
- `-f`, `--force`: If an existing destination file cannot be opened, remove it and try again.
- `-i`, `--interactive`: Prompt whether to overwrite an existing destination file.
- `-R`, `--recursive`: Copy directories recursively.
- `-p`, `--preserve`: Preserve the specified attributes of the original files.
- `-u`, `--update`: Copy only when the source file is newer than the destination file or when the destination file is missing.
- `-v`, `--verbose`: Print the name of each file before copying it.

```
cp
```

date

Description: date is a command-line utility that displays the current date and time.

Options:

- `-d`, `--date`: Display the date and time specified in the argument.
- `-u`, `--utc`: Display the date and time in Coordinated Universal Time (UTC).
- `-R`, `--rfc-2822`: Display the date and time in RFC 2822 format.
- `-I`, `--iso-8601`: Display the date and time in ISO 8601 format.
- `-r`, `--reference`: Display the date and time of the file specified in the argument.
- `-s`, `--set`: Set the date and time to the value specified in the argument.

```
date
```

diff

Description: diff is a command-line utility for comparing files line by line.

Options:

- `-c`, `--context`: Output three lines of context around each difference.
- `-u`, `--unified`: Output three lines of unified context around each difference.
- `-n`, `--rcs`: Output an RCS format diff.
- `-y`, `--side-by-side`: Output in two columns.
- `-W`, `--width`: Output at most n (default 130) print columns.
- `-l`, `--paginate`: Pass the output through pr to paginate it.
- `-i`, `--ignore-case`: Ignore case differences in file contents.
- `-b`, `--ignore-space-change`: Ignore changes in the amount of white space.
- `-B`, `--ignore-blank-lines`: Ignore changes whose lines are all blank.
- `-a`, `--text`: Treat all files as text and compare them line by line.
- `-q`, `--brief`: Output only whether files differ.
- `-s`, `--report-identical-files`: Output only whether files are identical.
- `-r`, `--recursive`: Recursively compare any subdirectories found.
- `-N`, `--new-file`: Treat absent files as empty.
- `-d`, `--minimal`: Try to find a smaller set of changes.
- `--normal`: Output a normal diff.

```
diff
```

echo

Description: echo is a command-line utility that prints the specified text to the standard output.

Options:

- `-n`: Do not output the trailing newline.
- `-e`: Enable interpretation of backslash escapes.

```
echo
```

env

Description: env is a command-line utility that runs another command with a modified environment.

Options:

- `-i`: Clear the environment before running the command.
- `-u`: Remove variable from the environment.

```
env
```

exit

Description: exit is a command-line utility that terminates the shell.

```
exit
```

export

Description: export is a command-line utility that sets an environment variable.

```
export
```

grep

Description: grep is a command-line utility for searching plain-text data sets for lines that match a regular expression.

Options:

- `-c`, `--count`: Suppress normal output; instead, print a count of matching lines for each input file.
- `-i`, `--ignore-case`: Ignore case distinctions in both the PATTERN and the input files.
- `-v`, `--invert-match`: Invert the sense of matching, to select non-matching lines.
- `-w`, `--word-regexp`: Select only those lines containing matches that form whole words.
- `-x`, `--line-regexp`: Select only those matches that exactly match the whole line.
- `-f`, `--file`: Obtain patterns from FILE, one per line.
- `-r`, `--recursive`: Read all files under each directory, recursively.
- `-n`, `--line-number`: Prefix each line of output with the 1-based line number within its input file.
- `-h`, `--no-filename`: Suppress the prefixing of file names on output.
- `-o`, `--only-matching`: Print only the matched (non-empty) parts of a matching line, with each such part on a separate output line.
- `-q`, `--quiet`, `--silent`: Quiet; do not write anything to standard output.
- `-s`, `--no-messages`: Suppress error messages about nonexistent or unreadable files.
- `-z`, `--null-data`: Treat input and output data as sequences of lines, each terminated by a zero byte (the ASCII NUL character) instead of a newline.
- `--binary-files`: Determine how to deal with binary files.
- `--text`: Treat all files as text.

speciale characters:

- `.`: Any single character.
- `^`: The beginning of a line.
- `$`: The end of a line.
- `[]`: Any one of the characters inside the square brackets.

- `[^]`: Any character that is not inside the square brackets.
- `*`: Zero or more of the preceding character.
- `+`: One or more of the preceding character.
- `?`: Zero or one of the preceding character.
- `|`: Alternation.
- `()`: Grouping.
- `\`: Escape the next character.
- `{}`: Specify the number of occurrences of the preceding character.

examples of special characters:

- `grep '^a' file.txt`: lines that start with the letter 'a'.
- `grep 'a$' file.txt`: lines that end with the letter 'a'.
- `grep 'a.' file.txt`: lines that have the letter 'a' followed by any character.
- `grep 'a*' file.txt`: lines that have the letter 'a' followed by zero or more characters.
- `grep 'a+' file.txt`: lines that have the letter 'a' followed by one or more characters.
- `grep 'a?' file.txt`: lines that have the letter 'a' followed by zero or one character.
- `grep 'a|b' file.txt`: lines that have the letter 'a' or the letter 'b'.
- `grep 'a(b|c)' file.txt`: lines that have the letter 'a' followed by the letter 'b' or the letter 'c'.
- `grep 'a{2}' file.txt`: lines that have the letter 'a' repeated two times.
- `grep 'a{2,4}' file.txt`: lines that have the letter 'a' repeated from two to four times.
- `grep 'a{2,}' file.txt`: lines that have the letter 'a' repeated two or more times.
- `grep 'a{,4}' file.txt`: lines that have the letter 'a' repeated up to four times.
- `grep 'a[bc]' file.txt`: lines that have the letter 'a' followed by the letter 'b' or the letter 'c'.
- `grep 'a[^bc]' file.txt`: lines that have the letter 'a' followed by any character that is not the letter 'b' or the letter 'c'.
- `grep 'a[b-d]' file.txt`: lines that have the letter 'a' followed by the letter 'b', 'c', or 'd'.
- `grep 'a[^b-d]' file.txt`: lines that have the letter 'a' followed by any character that is not the letter 'b', 'c', or 'd'.
- `grep 'a[a-z]' file.txt`: lines that have the letter 'a' followed by any lowercase letter.
- `grep 'a[a-zA-Z]' file.txt`: lines that have the letter 'a' followed by any letter.
- `grep 'a[0-9]' file.txt`: lines that have the letter 'a' followed by any digit.
- `grep 'a[0-9a-f]' file.txt`: lines that have the letter 'a' followed by any digit or the letter 'a', 'b', 'c', 'd', 'e', or 'f'.

```
grep
```

head

Description: head is a command-line utility that prints the first N lines of a file.

Options:

- `-n`, `--lines`: Print the first N lines of each file.

speical characters:

- `+N`: Start displaying the file from the Nth line.

examples:

- `head -n 5 file.txt`: print the first 5 lines of the file.

- `head -n -5 file.txt`: print all lines except the last 5 lines of the file.
- `head -n +5 file.txt`: print all lines starting from the 5th line of the file.

```
head
```

id

Description: id is a command-line utility that prints the user and group IDs of the current user.

```
id
```

kill

Description: kill is a command-line utility that sends a signal to a process.

Options:

- `-l`, `--list`: List the signal names.
- `-s`, `--signal`: Specify the signal to send.

```
kill
```

ln

Description: ln is a command-line utility that creates a link to a file.

Options:

- `-s`, `--symbolic`: Create a symbolic link.
- `-f`, `--force`: Remove existing destination files.
- `-i`, `--interactive`: Prompt whether to remove existing destination files.
- `-n`, `--no-dereference`: Treat destination files as a normal file if they are symbolic links.
- `-v`, `--verbose`: Print the name of each file before linking it.

```
ln
```

ls

Description: ls is a command-line utility that lists files and directories.

Options:

- `-a`, `--all`: Include directory entries whose names begin with a dot.
- `-A`, `--almost-all`: Include directory entries whose names begin with a dot, except for the . and .. entries.
- `-c`: Use time of last modification of the file status information for sorting.
- `-C`: List entries by columns.
- `-d`, `--directory`: List directory entries instead of contents.
- `-f`: Do not sort; list entries in directory order.

- `-g`: Like -l, but do not list owner.
- `-h`, `--human-readable`: Print sizes in human-readable format.
- `-i`, `--inode`: Print the index number of each file.
- `-l`: List in long format.
- `-m`: List entries by rows.
- `-n`: List numeric user and group IDs.
- `-q`, `--hide-control-chars`: Print ? instead of nongraphic characters.
- `-Q`, `--quote-name`: Quote file names with double quotes.
- `-r`, `--reverse`: Reverse order while sorting.
- `-R`, `--recursive`: List subdirectories recursively.
- `-s`, `--size`: Print the allocated size of each file, in blocks.
- `-S`: Sort by file size.
- `-t`: Sort by modification time.
- `-u`: Use time of last access for sorting.
- `-v`: Sort by version.
- `-w`, `--width`: Set screen width to n columns.
- `-x`: List entries by lines instead of by columns.
- `-X`: Sort alphabetically by entry extension.
- `-1`: List one file per line.

```
ls
```

man

Description man is a command-line utility that displays the manual pages.

Options:

- `-k`, `--apropos`: Search the manual page names and descriptions.
- `-f`, `--whatis`: Search the manual page names.
- `-w`, `--where`: Show the locations of the manual pages.
- `-l`, `--local-file`: Show the location of the manual page source file.
- `-S`, `--sections`: List the manual page sections.
- `-7`: Display the manual page in ASCII format.

```
man
```

mkdir

Description: mkdir is a command-line utility that creates directories.

Options:

- `-m`, `--mode`: Set the file mode.
- `-p`, `--parents`: Create parent directories as needed.
- `-v`, `--verbose`: Print a message for each created directory.

```
mkdir
```

more

Description: more is a command-line utility that displays the contents of a file one screen at a time.

Options:

- `-d`: Display help.
- `-f`: Count logical rather than screen lines.
- `-l`: Ignore form feeds.
- `-p`: Do not scroll.
- `-c`: Do not scroll.
- `-s`: Squeeze multiple blank lines.
- `-u`: Suppress underlining.
- `-n`: Specify the number of lines per screen.

```
more
```

mv

Description: mv is a command-line utility that moves files and directories. It can also rename files and directories.

Options:

- `-b`, `--backup`: Make a backup of each existing destination file.
- `-f`, `--force`: If an existing destination file cannot be opened, remove it and try again.
- `-i`, `--interactive`: Prompt whether to overwrite an existing destination file.
- `-n`, `--no-clobber`: Do not overwrite an existing file.
- `-u`, `--update`: Move only when the source file is newer than the destination file or when the destination file is missing.
- `-v`, `--verbose`: Print the name of each file before moving it.

```
mv
```

piping |

Description: piping is a command-line utility that connects the output of one command to the input of another command.

example:

- `cat file.txt | grep 'a'`: search for the letter 'a' in the file.
- `ls -l | grep 'file'`: search for files in the current directory.
- `ls -l | grep 'file' | wc -l`: count the number of files in the current directory.

```
command1 | command2
```

ps

Description: ps is a command-line utility that displays information about processes.

Options:

- `-a`: Display information about other users' processes.
- `-A`: Display information about all processes.
- `-c`: Display the command name.
- `-e`: Display information about all processes.
- `-f`: Display full-format listing.
- `-H`: Display a tree of processes.
- `-l`: Display long format.
- `-p`: Display information about the specified process IDs.
- `-r`: Display processes in reverse order.
- `-t`: Display information about the specified terminal.
- `-u`: Display information about the specified user.
- `-x`: Display information about processes without controlling terminals.

```
ps
```

pwd

Description: pwd is a command-line utility that prints the current working directory.

Options:

- `-L`: Print the logical current working directory.
- `-P`: Print the physical current working directory.

```
pwd
```

read

Description: read is a command-line utility that reads a line from the standard input.

Options:

- `-p`: Display the prompt.
- `-r`: Do not allow backslashes to escape any characters.
- `-s`: Do not echo input coming from a terminal.
- `-t`: Time out and return failure if a complete line of input is not read within n seconds.
- `-u`: Read input from the specified file descriptor.

```
read
```

redirecting >

Description: redirecting is a command-line utility that redirects the output of a command to a file.

example:

- `ls -l > file.txt`: save the output of the command to a file.

- `echo 'Hello, World!' > file.txt`: save the text to a file.
- `cat file.txt > file2.txt`: copy the content of the file to another file.

```
command > file.txt
```

redirecting >>

Description: redirecting is a command-line utility that appends the output of a command to a file.

example:

- `ls -l >> file.txt`: append the output of the command to a file.
- `echo 'Hello, World!' >> file.txt`: append the text to a file.
- `cat file.txt >> file2.txt`: append the content of the file to another file.

```
command >> file.txt
```

redirecting <

Description: redirecting is a command-line utility that redirects the input of a command from a file.

example:

- `grep 'a' < file.txt`: search for the letter 'a' in the file.
- `wc -l < file.txt`: count the number of lines in the file.

```
command < file.txt
```

redirecting <<

Description: redirecting is a command-line utility that redirects the input of a command from a string.

example:

- `grep 'a' << 'Hello, World!'`: search for the letter 'a' in the string.
- `wc -l << 'Hello, World!'`: count the number of lines in the string.

```
command << 'string'
```

redirecting < >

Description: redirecting is a command-line utility that redirects the input of a command from a file and the output of the command to another file.

example:

- `grep 'a' < file.txt > output.txt`: search for the letter 'a' in the file and save the output to a file.
- `wc -l < file.txt > output.txt`: count the number of lines in the file and save the output to a file.

```
command < file.txt > output.txt
```

redirecting < >>

Description: redirecting is a command-line utility that redirects the input of a command from a file and appends the output of the command to another file.

example:

- `grep 'a' < file.txt >> output.txt`: search for the letter 'a' in the file and append the output to a file.
- `wc -l < file.txt >> output.txt`: count the number of lines in the file and append the output to a file.

```
command < file.txt >> output.txt
```

redirecting << >

Description: redirecting is a command-line utility that redirects the input of a command from a string and the output of the command to a file.

example:

- `grep 'a' << 'Hello, World!' > output.txt`: search for the letter 'a' in the string and save the output to a file.
- `wc -l << 'Hello, World!' > output.txt`: count the number of lines in the string and save the output to a file.

```
command << 'string' > output.txt
```

redirecting << >>

Description: redirecting is a command-line utility that redirects the input of a command from a string and appends the output of the command to a file.

example:

- `grep 'a' << 'Hello, World!' >> output.txt`: search for the letter 'a' in the string and append the output to a file.
- `wc -l << 'Hello, World!' >> output.txt`: count the number of lines in the string and append the output to a file.

```
command << 'string' >> output.txt
```

redirecting 2>

Description: redirecting is a command-line utility that redirects the error output of a command to a file.

example file output:

- `/dev/null`: discard the output.
- `error.txt`: save the output to a file.
- `2>&1`: redirect the error output to the standard output.
- `/dev/tty`: write the output to the terminal.

example:

- `ls -l 2> error.txt`: save the error output of the command to a file.
- `echo 'Hello, World!' 2> error.txt`: save the error text to a file.
- `cat file.txt 2> error.txt`: copy the content of the file to another file.

```
command 2> error.txt
```

redirecting 2>&1

Description: redirecting is a command-line utility that redirects the error output of a command to the standard output.

example:

- `ls -l 2>&1`: redirect the error output of the command to the standard output.
- `echo 'Hello, World!' 2>&1`: redirect the error text to the standard output.
- `cat file.txt 2>&1`: copy the content of the file to the standard output.

```
command 2>&1
```

redirecting 1>&2

Description: redirecting is a command-line utility that redirects the standard output of a command to the error output.

example:

- `ls -l 1>&2`: redirect the standard output of the command to the error output.
- `echo 'Hello, World!' 1>&2`: redirect the text to the error output.
- `cat file.txt 1>&2`: copy the content of the file to the error output.

```
command 1>&2
```

redirecting &>

Description: redirecting is a command-line utility that redirects the standard output and error output of a command to a file.

example file output:

- `/dev/null`: discard the output.
- `error.txt`: save the output to a file.
- `2>&1`: redirect the error output to the standard output.
- `/dev/tty`: write the output to the terminal.

example:

- `ls -l &> output.txt`: save the output of the command to a file.
- `echo 'Hello, World!' &> output.txt`: save the text to a file.
- `cat file.txt &> output.txt`: copy the content of the file to another file.

```
command &> output.txt
```

rev

Description: rev is a command-line utility that reverses the characters in each line of a file.

```
rev
```

rm

Description: rm is a command-line utility that removes files and directories.

Options:

- `-f`, `--force`: Ignore nonexistent files and do not prompt.
- `-i`: Prompt before every removal.
- `-r`, `--recursive`: Remove directories and their contents recursively.
- `-v`, `--verbose`: Explain what is being done.
- `-d`, `--dir`: Remove empty directories.
- `-I`: Prompt once before removing more than three files or when removing recursively.
- `-P`: Prompt before every removal.
- `-R`: Remove directories and their contents recursively.
- `-v`: Explain what is being done.

```
rm
```

rmdir

Description: rmdir is a command-line utility that removes empty directories.

Options:

- `-p`, `--parents`: Remove parent directories if they are empty.
- `-v`, `--verbose`: Print a message for each removed directory.

```
rmdir
```

sh

Description: sh is a command-line utility that runs the Bourne shell.

Options:

- `-c`: Read commands from the string argument.

- `-i`: Start an interactive shell session.
- `-s`: Read commands from the standard input.
- `-D`: A list of all double-quoted strings preceded by $ is printed on the standard output.
- `-x`: Print commands and their arguments as they are executed.

```
sh
```

sort

Description: sort is a command-line utility that sorts lines of text files.

Options:

- `-b`, `--ignore-leading-blanks`: Ignore leading blanks.
- `-d`, `--dictionary-order`: Consider only blanks and alphanumeric characters.
- `-f`, `--ignore-case`: Fold lower case to upper case characters.
- `-g`, `--general-numeric-sort`: Compare according to general numerical value.
- `-i`, `--ignore-nonprinting`: Ignore nonprinting characters.
- `-M`, `--month-sort`: Compare (unknown) < 'JAN' < ... < 'DEC'.
- `-n`, `--numeric-sort`: Compare according to string numerical value.
- `-r`, `--reverse`: Reverse the result of comparisons.
- `-R`, `--random-sort`: Sort by random hash of keys.
- `-V`, `--version-sort`: Natural sort of (version) numbers within text.
- `-c`, `--check`: Check whether the input is sorted.
- `-o`, `--output`: Write result to the specified file.
- `-s`, `--stable`: Stabilize sort by disabling last-resort comparison.
- `-t`, `--field-separator`: Use the specified field separator.
- `-k`, `--key`: Sort via a key; KEYDEF gives location and type.
- `-m`, `--merge`: Merge already sorted files.
- `-u`, `--unique`: Suppress lines that are repeated.
- `-z`, `--zero-terminated`: End lines with 0 byte, not newline.

```
sort
```

tail

Description: tail is a command-line utility that displays the last N lines of a file.

Options:

- `-n`, `--lines`: Print the last N lines of each file.
- `-f`, `--follow`: Output appended data as the file grows.
- `-F`: Same as --follow=name --retry.
- `-c`, `--bytes`: Print the last N bytes of each file.
- `-q`, `--quiet`, `--silent`: Never output headers giving file names.
- `-v`, `--verbose`: Always output headers giving file names.
- `--pid`: With -f, terminate after the process with the given PID dies.
- `--max-unchanged-stats`: With --follow=name, reopen a FILE which has not changed size after N (default 5) iterations to see if it has been unlinked or renamed (this is the usual case of rotated log files). With inotify, this option is

rarely useful.

examples:

- `tail -n 5 file.txt`: print the last 5 lines of the file.
- `tail -n +5 file.txt`: print all lines starting from the 5th line of the file.
- `tail -n -5 file.txt`: print all lines except the last 5 lines of the file.

```
tail
```

touch

Description: touch is a command-line utility that changes file timestamps. If the file does not exist, it creates an empty file.

Options:

- `-a`: Change the access time.
- `-c`: Do not create the file if it does not exist.
- `-d`: Use the specified time.
- `-m`: Change the modification time.
- `-r`: Use the timestamp of the specified file.
- `-t`: Use the specified time.

example:

- `touch file.txt`: create an empty file.
- `touch -d '2022-01-01 12:00:00' file.txt`: change the timestamp of the file.
- `touch -r file.txt file2.txt`: change the timestamp of the file to another file.

```
touch
```

wc

Description: wc is a command-line utility that counts the number of lines, words, and characters in a file.

Options:

- `-c`, `--bytes`: Print the byte counts.
- `-m`, `--chars`: Print the character counts.
- `-l`, `--lines`: Print the newline counts.
- `-L`, `--max-line-length`: Print the length of the longest line.
- `-w`, `--words`: Print the word counts.

```
wc
```

whereis

Description: whereis is a command-line utility that locates the binary, source, and manual page files for a command.

Options:

- `-b`: Search for binaries.
- `-m`: Search for manual pages.
- `-s`: Search for sources.

```
whereis
```

which

Description: which is a command-line utility that locates the binary files of a command.

Options:

- `-a`: Print all matching executables in PATH, not just the first.
- `-s`: No output, just return 0 if any of the executables are found, or 1 if none are found.
- `-v`: Print a more verbose output.

```
which
```